

FIG. 1

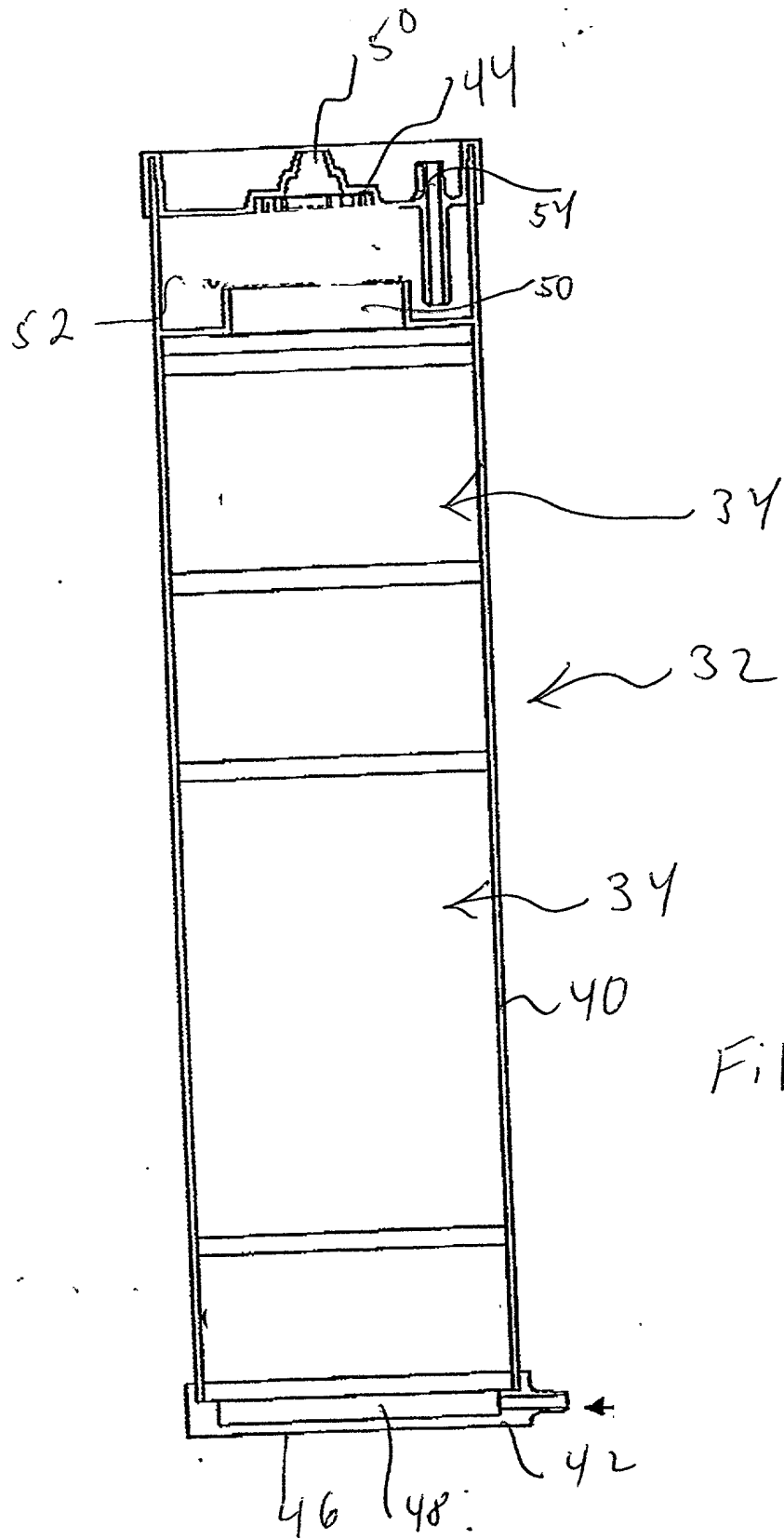
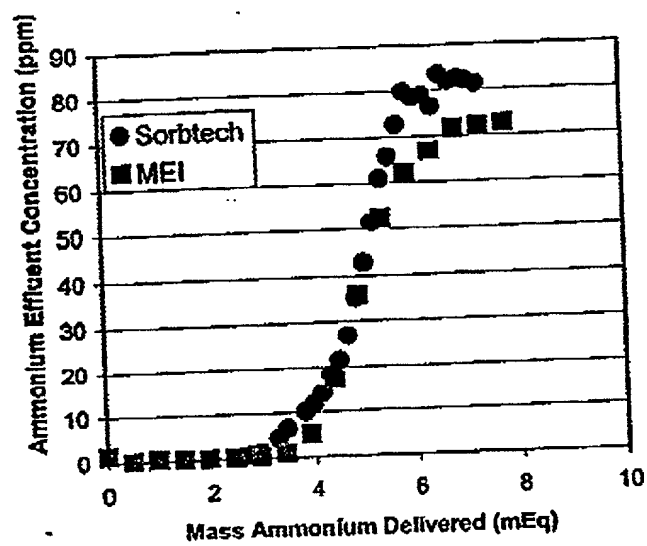
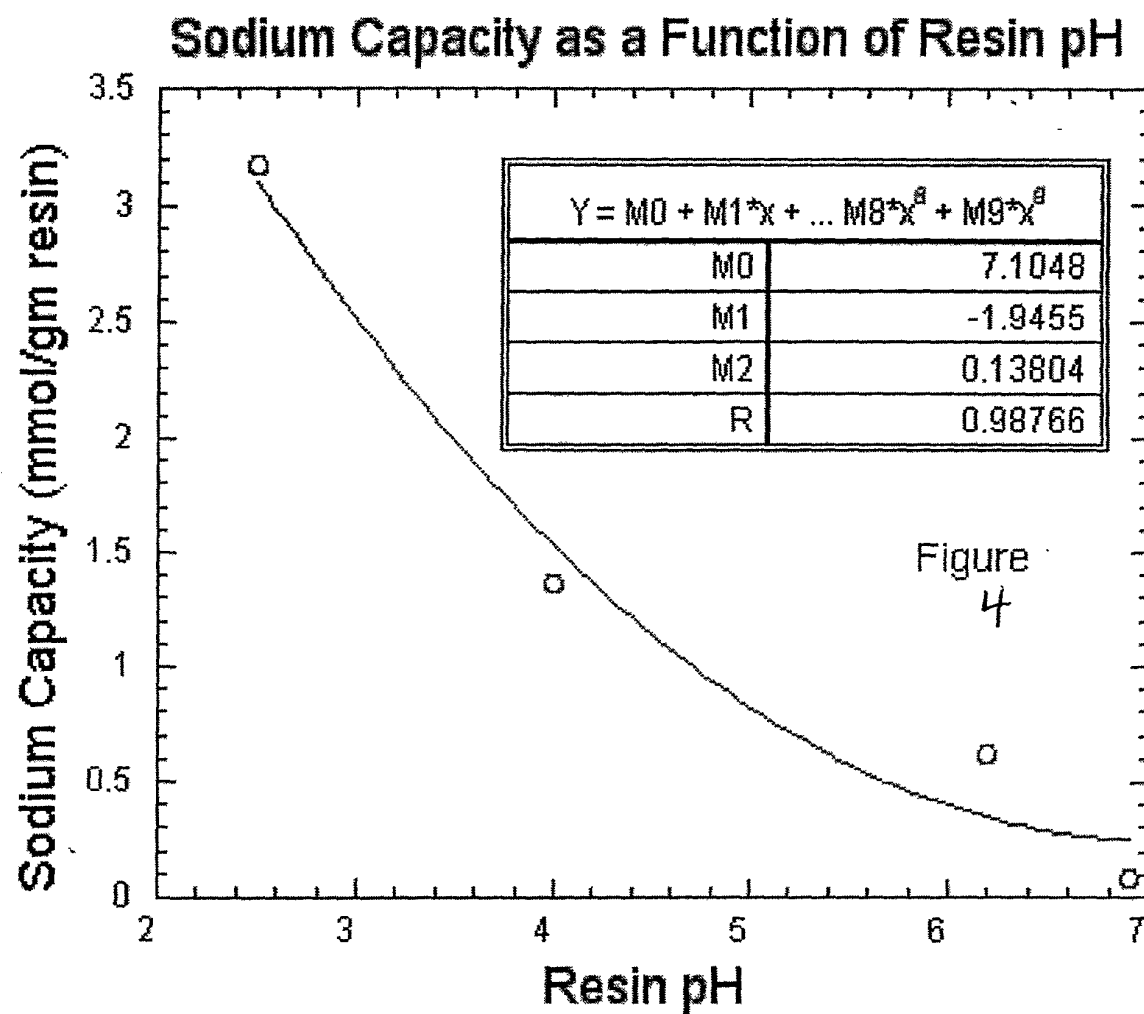


FIG 2

Fig. 2. Dynamic capacity for ZP



FOE111-6250666D



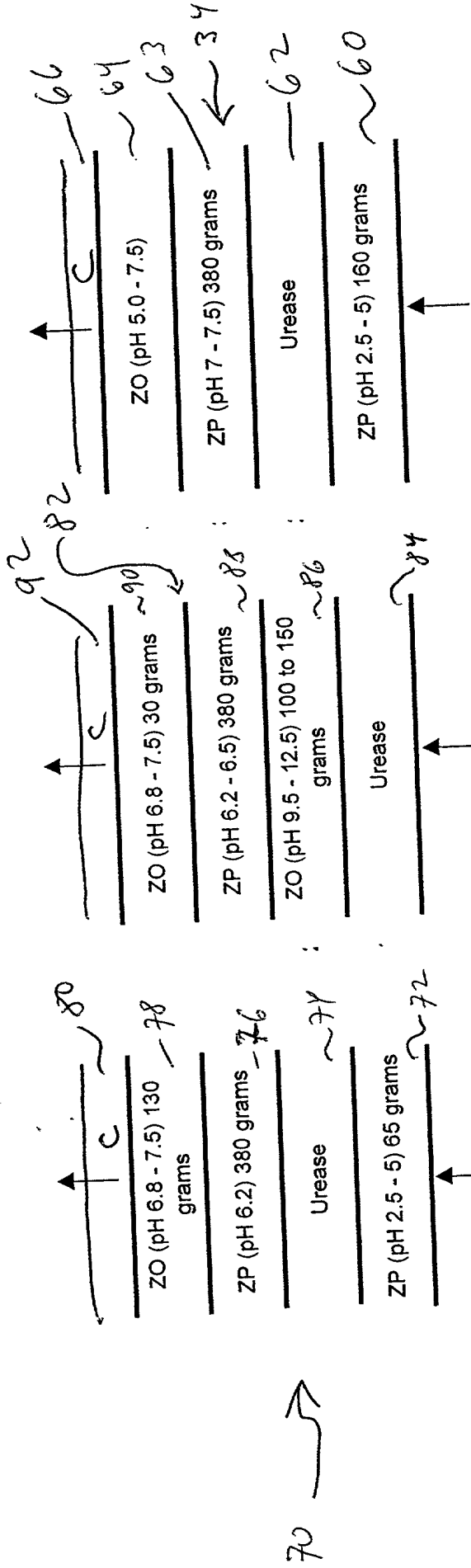
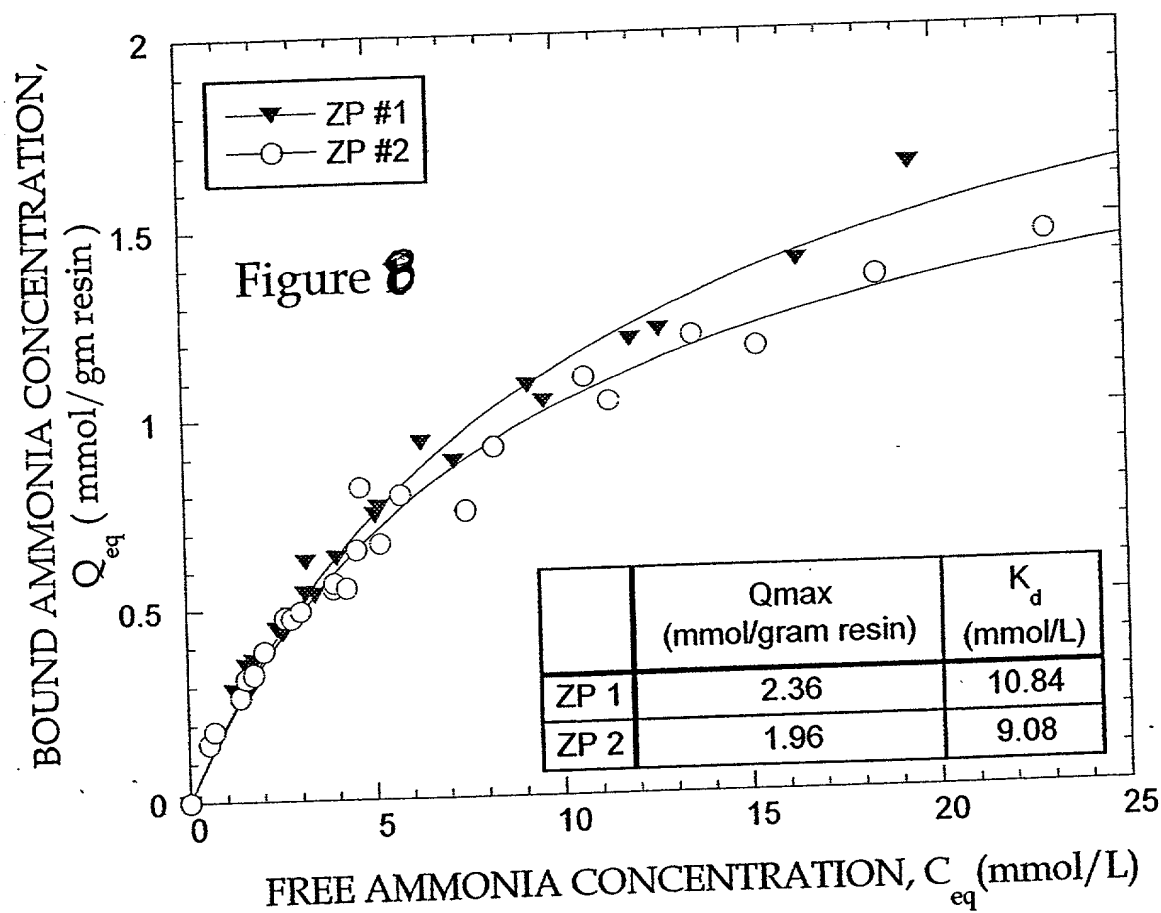


Figure 6

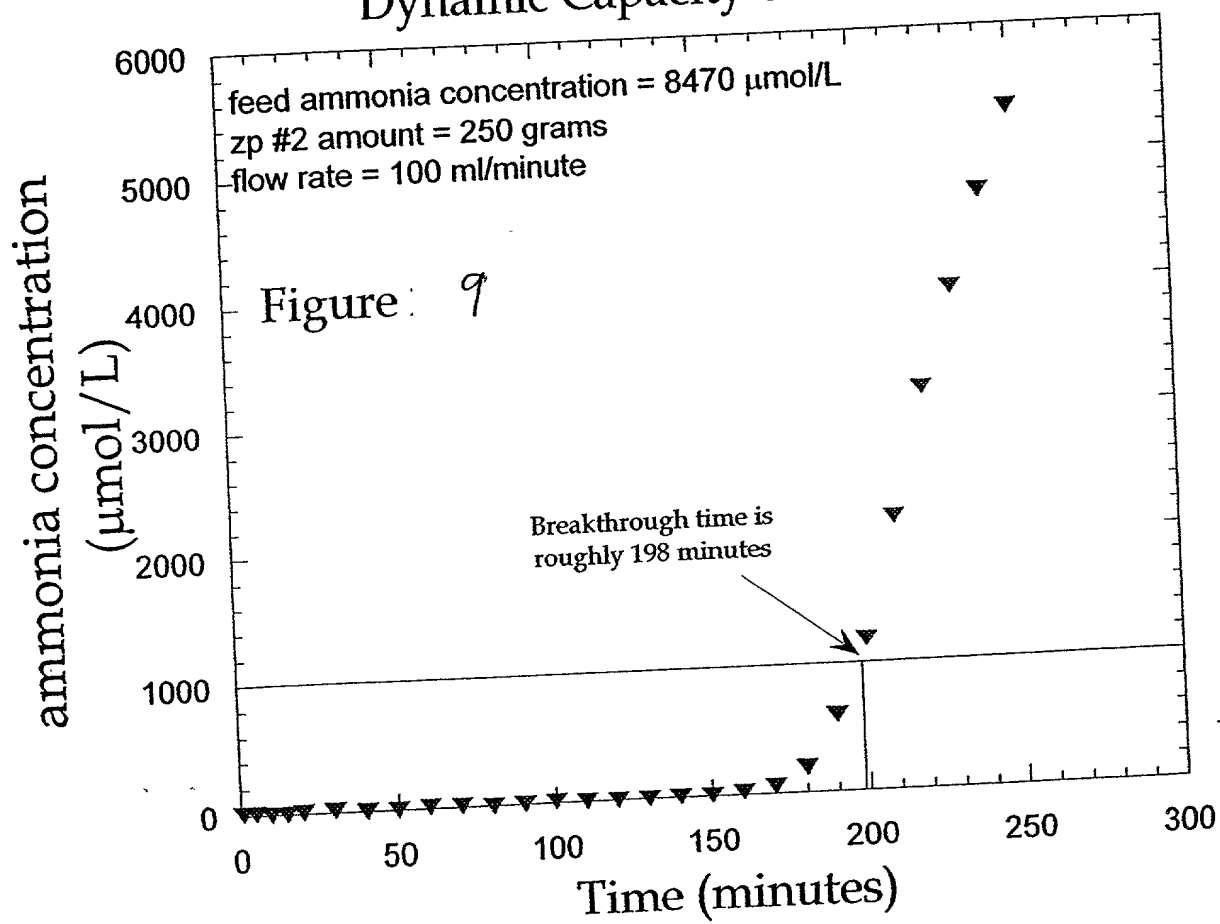
Figure 7

Figure 5

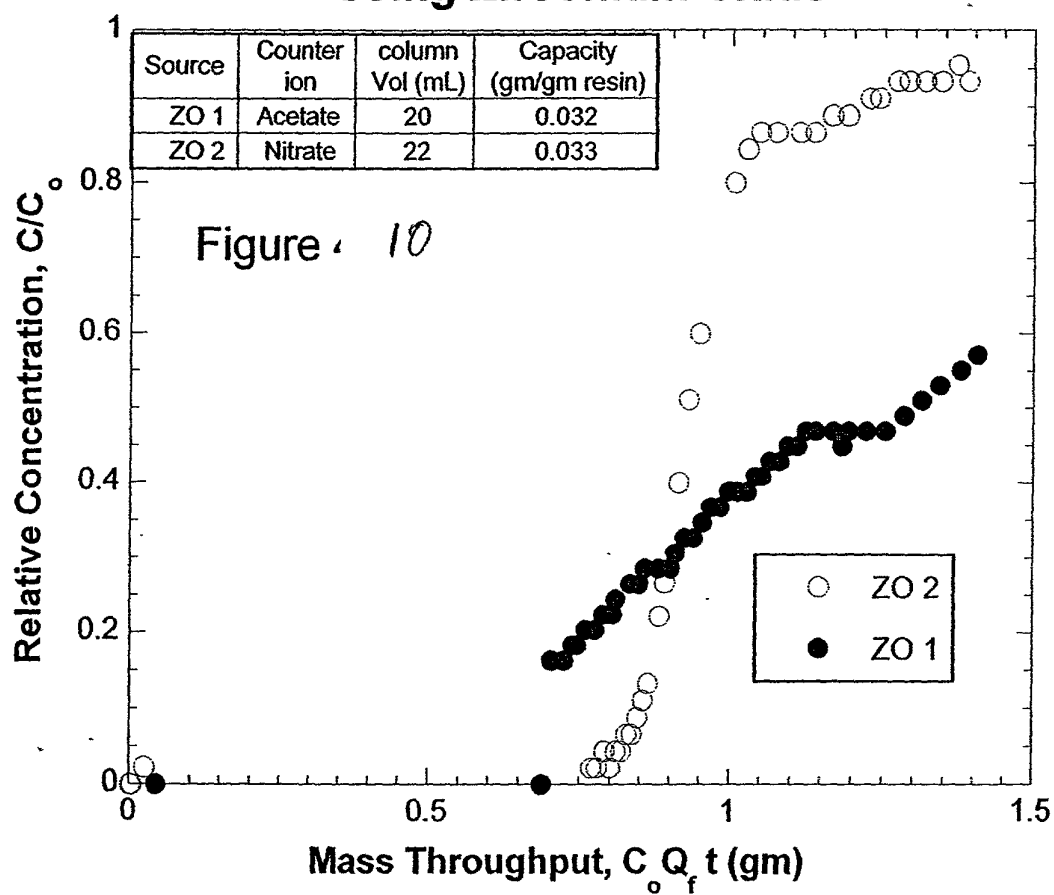
Static Adsorption Isotherm



Dynamic Capacity of the Resin



Adsorption Breakthrough Curve for Phosphate Using Zirconium Oxide



↑
Carbon
Zirconium Oxide Acetate
Zirconium Phosphate
Urease
Carbon

FILE 12a

↑
Carbon (150 ml)
Zirconium Oxide (30 mL) Hydroxyl pH = 7.38
Zirconium Phosphate (400 mL) pH = 6.5
Zirconium Oxide (100 mL) Carbonate pH = 9.48
Zirconium Phosphate (200 mL) pH = 6.5
Urease

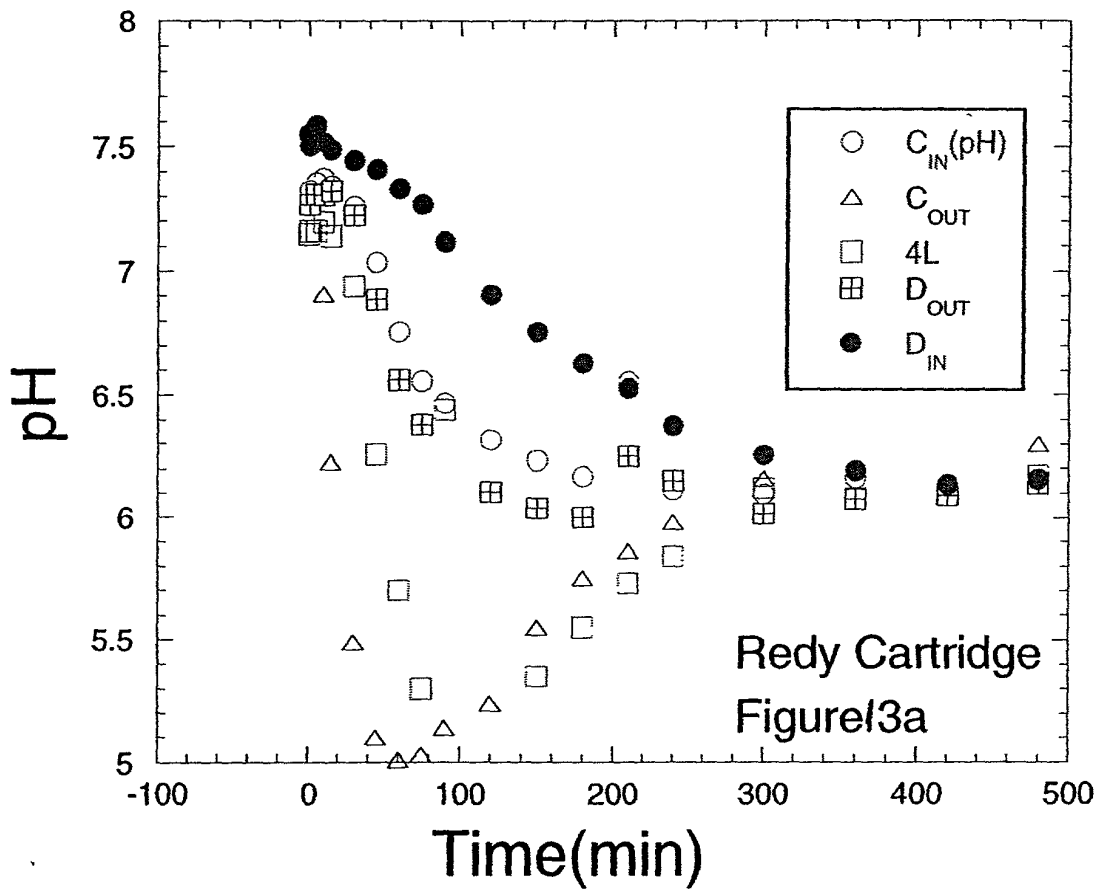
FILE 126

↑
Carbon (150 mL)
Zirconium Oxide (30 mL) Bicarbonate pH = 7.33
Zirconium Phosphate (450 mL) pH = 6.52
Zirconium Oxide (100 mL) Carbonate pH = 10.52
Urease

FILE 12c

↑
Urease

0000679-1404
40211-6290000



110677-6290660

